

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE UPGRADING OF THE EXISTING DETECTION AT MD 174 (QUARTERFIELD ROAD) & ELMHURST ROAD/WESTPHALIA DRIVE, MD 174 (QUARTERFIELD ROAD) & PARKE WEST DRIVE/QUARTERFIELD PARK DRIVE, AND MD 174 (QUARTERFIELD ROAD) & OLD STAGE ROAD INTERSECTIONS. THIS PROJECT IS LOCATED IN ANNE ARUNDEL COUNTY, MARYLAND.

MD 174 (QUARTERFIELD ROAD) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

MD 174 (QUARTERFIELD ROAD) AND ELMHURST ROAD/WESTPHALIA DRIVE

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE CABINET WILL BE RETROFITTED TO OPERATE VIDEO DETECTION AND THE DETECTOR RACK WILL BE RETROFITTED AND 2 FOUR-CHANNEL LOOP AMPLIFIERS INSTALLED.

MD 174 (QUARTERFIELD ROAD) AND PARKE WEST DRIVE/QUARTERFIELD PARK DRIVE

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE CABINET WILL BE RETROFITTED TO OPERATE VIDEO DETECTION.

MD 174 (QUARTERFIELD ROAD) AND OLD STAGE ROAD

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE CABINET WILL BE RETROFITTED TO OPERATE VIDEO DETECTION AND THE DETECTOR RACK WILL BE RETROFITTED AND 2 FOUR-CHANNEL LOOP AMPLIFIERS INSTALLED.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)

STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)

STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)

STANDARD NO. MD-104.04-15 (INTERSECTION LEFT LANE, TURN BAY)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1019

MR. ROBERT SYNDER
ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (443) 572-5229

MR. JOHN S. MAYS
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1013

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. MIKE HUBER
DISTRICT UTILITY ENGINEER
PHONE: (410) 841-1039

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9016	4 EACH	4 CHANNEL LOOP AMPLIFIERS
9046	2 EACH	RETROFIT DETECTOR RACK
9086	3 EACH	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

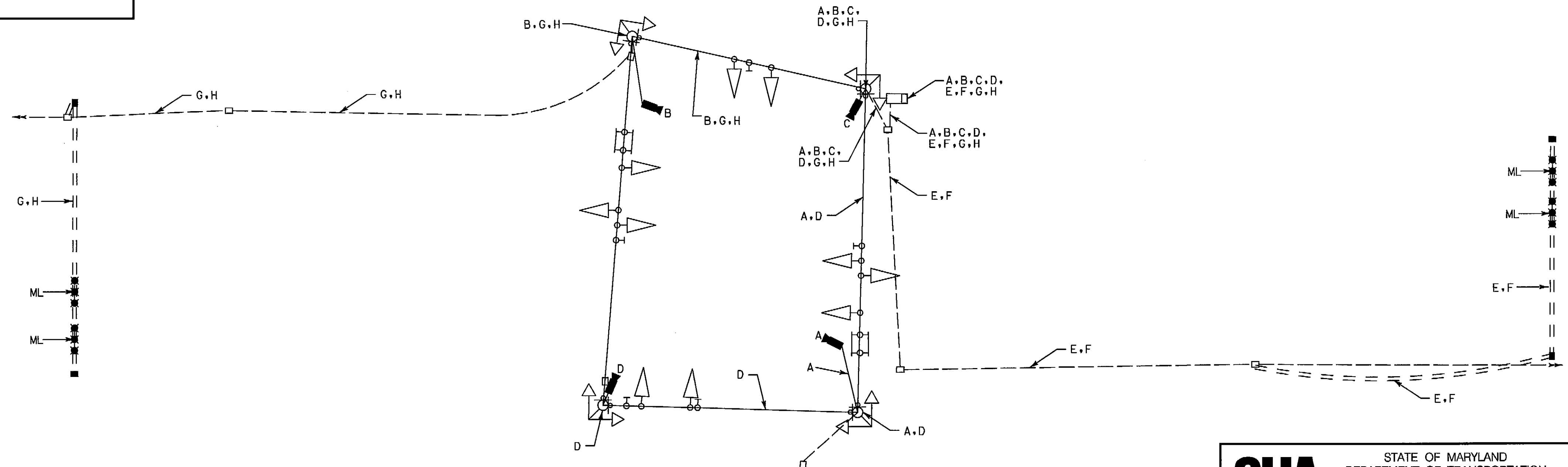
ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1003	1 EACH	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
6002	50 S.F.	5 INCH CONCRETE SIDEWALK
8005	1 EACH	ADJUST HANDHOLE TO GRADE
8007	2 EACH	ANY SIZE LIGHTING ARM ON SIGNAL POLE
8011	1 EACH	CONDUIT BEND IN EXISTING FOUNDATION BASE (ANY SIZE)
8023	12 EACH	NONINVASIVE DETECTOR (ANY LENGTH) LEAD IN CABLE UP TO 1000'
8024	1 EACH	REMOVE & DISPOSE OF EQUIPMENT PER ASSIGNMENT
8028	12 EACH	VIDEO DETECTION CAMERA AND CABLE ANY LENGTH
8034	430 L.F.	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED
8036	105 L.F.	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8044	10 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE

MD 174 (QUARTERFIELD ROAD) AND OLD STAGE ROAD



WIRING KEY

A
B
C
D } VIDEO CAMERA DETECTION
LEAD-IN CABLE

E
F
G
H } MICROLOOP PROBE LEAD-IN

ML - MICROLOOP PROBE SET



WHITMAN, REQUARDT
& ASSOCIATES, LLP
801 South Caroline Street, Baltimore, Maryland 21201

TOD NO: XX353-16
SHA NO: AA816A57/K57
MD 174 @ Elmhurst Rd, Parke West
Dr., Old Stage Road



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 174 (QUARTERFIELD ROAD) DETECTION UPGRADES
GLEN BURNIE, MARYLAND

GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE 09/29/2010 CONTRACT NO. XX3535168

DESIGNED BY L.WAESCHE COUNTY Anne Arundel
DRAWN BY L.WAESCHE LOGMILE
CHECKED BY N.LEARY TMS NO. K648
F.A.P. NO. TOD NO.

TS NO. DRAWING TSP-05 OF 5 SHEET NO. 05 OF 5

PLOTTED: 09-29-2010
FILE: N:\31669-089\CADD\PSG-N002_K648.dgn